

L Number	Hits	Search Text	DB	Time stamp																											
1	2639	(shaft or rod) near4 (ball or sphere or spherical or cone) same (ball or sphere or spherical or cone) near3 valve	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/16 10:05																											
2	3	(shaft or rod) near4 (ball or sphere or spherical or cone) same (joint or connection) near4 strengthen\$4 same (ball or sphere or spherical or cone) near3 valve	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/16 09:26																											
3	1	("6367774") .PN.	USPAT; US-PGPUB	2003/04/16 09:26																											
4	1	("6322050") .PN.	USPAT; US-PGPUB	2003/04/16 09:31																											
5	25	<table border="1"> <tr><td>"3948533"</td><td>"3949965"</td><td>"4161187"</td></tr> <tr><td>"4346730"</td><td>"4662392"</td><td>"4719074"</td></tr> <tr><td>"4722825"</td><td>"4771803"</td><td>"4795133"</td></tr> <tr><td>"4810585"</td><td>"4815704"</td><td>"4834042"</td></tr> <tr><td>"4871621"</td><td>"4932432"</td><td>"4936546"</td></tr> <tr><td>"5015609"</td><td>"5183068"</td><td>"5297580"</td></tr> <tr><td>"5365661"</td><td>"5386967"</td><td>"5566923"</td></tr> <tr><td>"5906354"</td><td>"5977487"</td><td>"5979873"</td></tr> <tr><td colspan="3">"6178638") .PN.</td></tr> </table>	"3948533"	"3949965"	"4161187"	"4346730"	"4662392"	"4719074"	"4722825"	"4771803"	"4795133"	"4810585"	"4815704"	"4834042"	"4871621"	"4932432"	"4936546"	"5015609"	"5183068"	"5297580"	"5365661"	"5386967"	"5566923"	"5906354"	"5977487"	"5979873"	"6178638") .PN.			USPAT	2003/04/16 09:27
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7	191	(251/315.16).CCLS.	USPAT; US-PGPUB	2003/04/16 09:31																											
8	12	((shaft or rod) near4 (ball or sphere or spherical or cone) same (ball or sphere or spherical or cone) near3 valve) and 403/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/16 09:33																											
9	1044	(shaft or rod) near4 (ball or sphere or spherical) and 403/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/16 09:35																											
11	205	((shaft or rod) near4 (ball or sphere or spherical) same (attach\$4 or affix or fasten or strengthen\$3) and 403/\$.ccls.)	USPAT; US-PGPUB	2003/04/16 09:37																											
10	210	(shaft or rod) near4 (ball or sphere or spherical) same (attach\$4 or affix or fasten or strengthen\$3) and 403/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/16 09:42																											
12	7	(shaft or rod) near4 (ball or sphere or spherical) same (attach\$4 or affix or fasten or strengthen\$3) same valve and 403/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/16 09:46																											
14	502	((shaft or rod) near4 (ball or sphere or spherical) same (attach\$4 or affix or fasten or strengthen\$3) and 403/\$.ccls.) or ((shaft or rod) near4 (ball or sphere or spherical) same (attach\$4 or affix or fasten or strengthen\$3) same valve near4 (ball or sphere or spherical))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/16 09:48																											
15	210	((((shaft or rod) near4 (ball or sphere or spherical) same (attach\$4 or affix or fasten or strengthen\$3) and 403/\$.ccls.) or ((shaft or rod) near4 (ball or sphere or spherical) same (attach\$4 or affix or fasten or strengthen\$3) same valve near4 (ball or sphere or spherical))) and 403/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/16 09:49																											
13	295	(shaft or rod) near4 (ball or sphere or spherical) same (attach\$4 or affix or fasten or strengthen\$3) same valve near4 (ball or sphere or spherical)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/16 09:53																											

16	2378	((shaft or rod) near4 (ball or sphere or spherical) same (ball or sphere or spherical) near3 valve	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/16 10:06
17	40094	(ball or sphere or spherical) near4 (notch or v adj shaped or v adj shape or midsection or joint)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/16 10:11
18	40	((shaft or rod) near4 (ball or sphere or spherical) same (ball or sphere or spherical) near3 valve) same ((ball or sphere or spherical) near4 (notch or v adj shaped or v adj shape or midsection or joint))	USPAT; US-PGPUB	2003/04/16 10:08
19	14320	(ball or sphere or spherical) near4 (notch or v adj shaped or v adj shape or midsection or joint) same (rod or shaft or stem)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/16 10:18
20	923	((ball or sphere or spherical) near4 (notch or v adj shaped or v adj shape or midsection or joint) same (rod or shaft or stem)) same valve	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/16 10:14
21	8	(((ball or sphere or spherical) near4 (notch or v adj shaped or v adj shape or midsection or joint) same (rod or shaft or stem)) same valve) and 403/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/16 10:17
22	14	(((ball or sphere or spherical) near4 (notch or v adj shaped or v adj shape or midsection or joint) same (rod or shaft or stem)) same valve) and 303/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/16 10:18
23	88	(((ball or sphere or spherical) near4 (notch or v adj shaped or v adj shape or midsection or joint) same (rod or shaft or stem)) same valve) and 251/\$.ccls.	USPAT; US-PGPUB	2003/04/16 10:21
24	125	(rod near3 ball) adj3 connection	USPAT; US-PGPUB	2003/04/16 10:25
25	97	(shaft near3 ball) adj3 connection	USPAT; US-PGPUB	2003/04/16 10:22
26	548	(shaft near3 ball) adj3 joint	USPAT; US-PGPUB	2003/04/16 10:23
27	28	((shaft near3 ball) adj3 joint) same valve	USPAT; US-PGPUB	2003/04/16 10:23
28	15	((shaft near3 ball) adj3 connection) same valve	USPAT; US-PGPUB	2003/04/16 10:23
29	10	((rod near3 ball) adj3 connection) same valve	USPAT; US-PGPUB	2003/04/16 10:23
30	53	(((shaft near3 ball) adj3 joint) same valve) or (((shaft near3 ball) adj3 connection) same valve) or (((rod near3 ball) adj3 connection) same valve)	USPAT; US-PGPUB	2003/04/16 10:23
31	1747	((rod or stem or shaft) near3 (truncated or sphere or spherical or ball)) near8 (affix or affixed or attachment or attach or fastener or connector or connection)	USPAT; US-PGPUB	2003/04/16 10:29
32	1484	((rod or stem or shaft) near3 (truncated or sphere or hemisphere or hemispherical or ball)) near8 (affix or affixed or attachment or attach or fastener or connector or connection)	USPAT; US-PGPUB	2003/04/16 10:38
33	176	(((rod or stem or shaft) near3 (truncated or sphere or hemisphere or hemispherical or ball)) near8 (affix or affixed or attachment or attach or fastener or connector or connection)) same valve	USPAT; US-PGPUB	2003/04/16 10:32
34	133	(((rod or stem or shaft) near3 (truncated or sphere or hemisphere or hemispherical or ball)) near8 (affix or affixed or attachment or attach or fastener or connector or connection)) same valve near8 (truncated or sphere or hemisphere or hemispherical or ball)	USPAT; US-PGPUB	2003/04/16 10:38

35	141	((rod or stem or shaft) near3 (truncated or sphere or hemisphere or hemispherical or ball)) near8 (affix or affixed or attachment or attach or fastener or connector or connection) same valve near8 (truncated or sphere or hemisphere or hemispherical or ball)	USOCR	2003/04/16 10:40
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